

# ABSTRACT OF THE DISCLOSURE

In a data transmission system, a transmitter adds control data to transmission data, and modulates the resultant signal by a predetermined modulation method, and sends the  
5 result in a wireless manner. A receiver detects a reception power intensity by use of the control data contained in the transmitted signal. A random pattern is used for a reception-power detecting portion for detecting a reception power intensity, which is contained in the control data.